```
max path sum
                                         12
                                                13
                                                                                         max (foldleft (triangle, [7], lambda(xs, ac) → myfold (xs,ac)))
WORKFLOW
                                                                                                 prior level add 0 to end level 1
 ON TERMINAL
                  git checkout -b <branch-name>
                                                                                                  orion well add 0 to beginning level 1
                   mkdir (folder_name>
                                                                                                  element wise map max on both lists
                   cd <folder_nome>
                    code.
                                                                                                 triangle:
ON VSCODE
                  set up files
  PUTHON NOTES
                 PATH_TO_FILE
      f = open ( "<filename
                                  # read only mode
                                          of lines - use for wood to partilitate
                                    list
                                                                                                                 (12)
 PYTHON NOTES [STRINGS]
                                                                                                                      (14) (13)
                                                                                                   folded level:
Data Representations
                                                                        Types
                                                                                of learning
                                                                                                     (create a model to allow for predictions)
 · RECORDS
              (m dimensional
                                                                          · SUPERVISED LEARNING
              (nolds different attributes)
                                                                                                     FREGRESSION; CLASSIFICATION 7
 · GRAPHS
             (nodes connected w) edges)
                                                                           UNSUPERVISED LEARNING
                                                                                                      [ CLUSTERING ]
 · IMAGES
              (mutrix / list of . RGB or . grayscale pixel)
 * STRING
              Clist of data at specific
 . Time series
  Dota set
                                                       feature space
                                                                                         COMPARL
  [nxm]
                                                            ·all possible values
            data
                                                            for set of features
              Points
                                                                 our dates
                                                                                                                   TYPE OF DISSIMILARITY FUNC
   •d(i,j) =0 (ff i=j
                                   COMPARE
                                             USING A DIST
  · d(i,j) = d(j,i)
                                          -> easier to

    d(i,k) + d(k,j)

                                   understand + more intuitive
```

\$ not a dist func if 0 disprove via counter example.

P 21

Define

For 2 values x & y in d-dimensional space

EUCLIDEAN DISTANCE

W.

MINKOWSKI DISTANCE

p=2

W/

MANHATTAN DISTANCE

MINKOWSKI DISTANCE

p=1